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62.09



MEXICAN LIVING ROCK

Ariocarpus fissuratus

This curious Cactus could hardly look less like a living thing. It is a thrill to see the dainty, lovely pink blossoms suddenly appear among the horny tubercles. The tough, leathery skin is brown through which the underlying green shows faintly. The root is thick, surmounted by a flat head of triangular tubercles, fissured and warty, each with a central woolly groove. The top of the plant is filled with grey wool from which the flowers emerge. It will generally flower for you the first year in the early autumn. Give it a very sandy soil or best, pure sand and place in a sunny window. Water only when dry. Large flowering specimens, 75c. Mature flowering, 1½ to 2½ inches, each. 50c

TO OUR PATRONS:

Our new Diamond Jubilee Handbook of Cactus Lore will be ready in the Fall. 48 pages of information and listings. Send for your copy now. Price 50c

LATEST NEWS LIBRARY RECEIVED from FEB. 28 1950 U.S. Department of Agriculture CACTUS LAND

PRICE 10 CENTS

THIS handbook of cactus lore describes part of the largest available collection in the world. In our collection are most of the known genera with many rare and new species. It is the result of 40 years of steady collecting and exploration. New plants are continually being received and propagated to be offered in the future. For those interested in more information about Cacti and Succulents and in a greatly extended listing of plants I refer you to our new Diamond Jubilee Cactus Hand Book, which will be ready in the Fall. Price 50c



1950

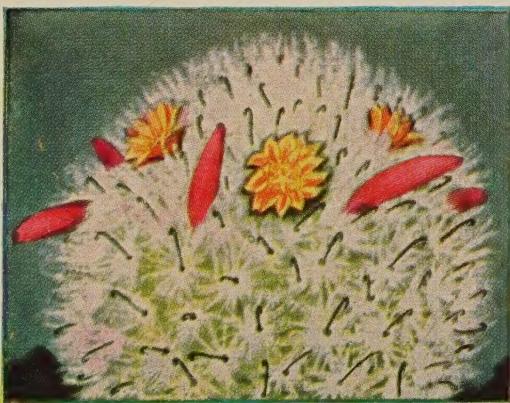
CORAL CACTUS

Mamillaria Hederi

The Coral Cactus is one of the prettiest of all with its coral red berries and pretty cream blossoms. The berries break forth ripe and red, taking only a day or so to appear, as they mature within the plant from the earlier blossoms. Often there will be a dozen of these brilliant fruits forming a glowing crown. It grows easily, liking a sandy soil and a sunny window ledge. Mature flowering specimens, 2 to 3 inches. 50c

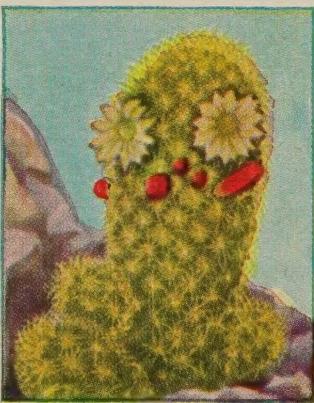
JOHNSON CACTUS GARDENS

Nurseries at PARAMOUNT, CALIFORNIA



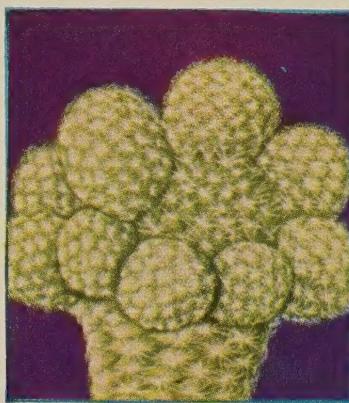
POWDER PUFF (Mamillaria bocasana)

Like a bursting cotton ball! Snow white hair instead of spines. Cream colored flowers and bright fruits. A jewel among cacti. Very easy to grow. 2-inch flowering specimens, 50c; flowering, 35c. 25c



LADY FINGERS

A dainty gem. *Mamillaria elongata Schmollii* is a bright mosaic of golden, harmless spines. Small clusters, 35c. Single heads. 25c



THIMBLE CACTUS

Like the "Old woman who lived in a shoe" *Mamillaria fragilis* has more children than she knows what to do with. Nice. 25c

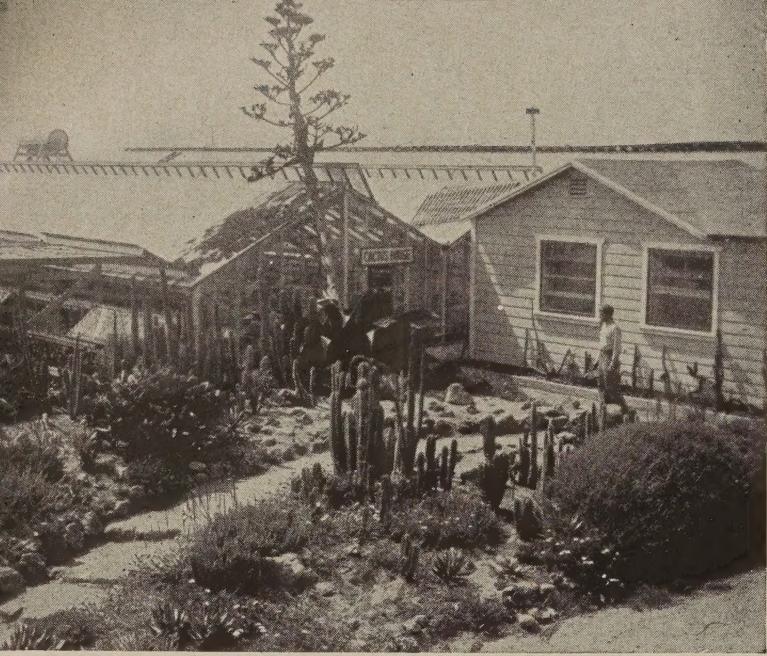


RUBY DUMPLING

Quick growing *Mamillaria tetragona* has a hoary head from which the bright blossoms emerge. Nice plants 35c and. 25c

Mexican Jewel Collection No. S1. The above 4 plants

90c



PART OF DISPLAY GARDEN

OUR GARDENS are open to visitors throughout the year from 8 A.M. to 5 P.M. daily. You are free to inspect the greenhouses, lathhouses and other growing facilities at your leisure. During Spring and Summer many cacti are in flower and in the Fall many South African succulents are to be seen in bloom. Paramount joins North Long Beach and is about 3 miles east of Compton. The nurseries are at 16613 So. Garfield Ave. Approximately 15 miles south-east of Los Angeles. Phone Metcalf 3-1515.

Visitors are also invited to see our Water Gardens, where thousands of lovely Water Lilies may be seen in Summer. We have one of the largest collections of these brilliant flowering aquatics in the world.

OUR POLICY

As specialists, we feel we can give you the largest selection of cacti and succulents to be found anywhere in the world. Our collections contain most of the more common plants and a great many rare and unique items seldom seen or newly discovered. One of the great difficulties is to catalog these as quantities are often limited. Our new Cactus Handbook offered above will have many of these items.

It is our desire to give you not just a plant with a label but a well grown plant in several price sizes. Our growing equipment is extensive, with 1,500,000 plants in all stages from seedlings to flowering specimens. Since seed is seldom to be purchased we must grow our own, a slow and expensive process when hundreds of varieties must be hand pollinated.

We prepay postage on orders of \$2 or more and guarantee safe delivery in the United States and Canada.

AERIAL VIEW OF OUR GARDENS

Aerial view of our 10 acres of specialized nurseries. In the foreground are lathhouses, glass covered frames and greenhouses, the physical equipment necessary to produce the large quantities of cacti we are sending to the four corners of the world. To bring you vigorous sun ripened plants, with their large healthy root systems, we grow them in these covered frames, where they get the full benefit of the sunlight and sun warmth. This well matured growth produces an abundance of flowers on quite small plants. Often they are in bloom when you receive them.

In the rear are the acres of pools in which our Water Lilies are grown. There you may see our glorious blue African lily, "Blue Triumph," the finest of all for any garden pool, large or small. Catalog on request.

ORDERS ACCEPTED NOW FOR THE NEW

DIAMOND JUBILEE

CACTUS HANDBOOK

OUR new Cactus Handbook will be ready in the Fall of 1950. It will be more than a catalog, for in it we will encompass as much of the lore of cacti and succulents as its pages will hold. These interesting plants have intrigued collectors and botanists for over 300 years, and as we know more of them the interest continues to increase. My own travels in South and Central America brought to light many new things and others are continually adding to the total.

Cultural Directions will be given special attention, particularly those groups which we have found, through long correspondence with our customers, have given trouble. Notes on the countries where the plants are found, on their habitats, and on how they react under garden conditions. How and when and how much water. Wintering plants in the house. How and when to rest them and the most important thing—why. Soil mixtures are discussed and the relationship between soils and mode of culture. Our listings of plants will be much more complete than ever before. 48 pages of photographs and color to be mailed on publication. Price

50c

SEVENTY-FOUR YEARS OF SERVICE

Our nurseries were started in Bordentown, N. J., in 1876. In 1894 they were removed to Hollywood at the entrance of what is now the Fern Dell of Griffith Park. In 1921 they were moved to our present site in Paramount. Our family experience in growing and shipping plants has extended over three generations. Our greatest assets are satisfied customers.



TERMS

I guarantee safe delivery in the United States and Canada.

Free Delivery on orders of \$2 or more: Canadian minimum \$5.

50 cents packing charge on orders of less than \$2.

10% plant bonus may be added Free to orders of \$3 or more.

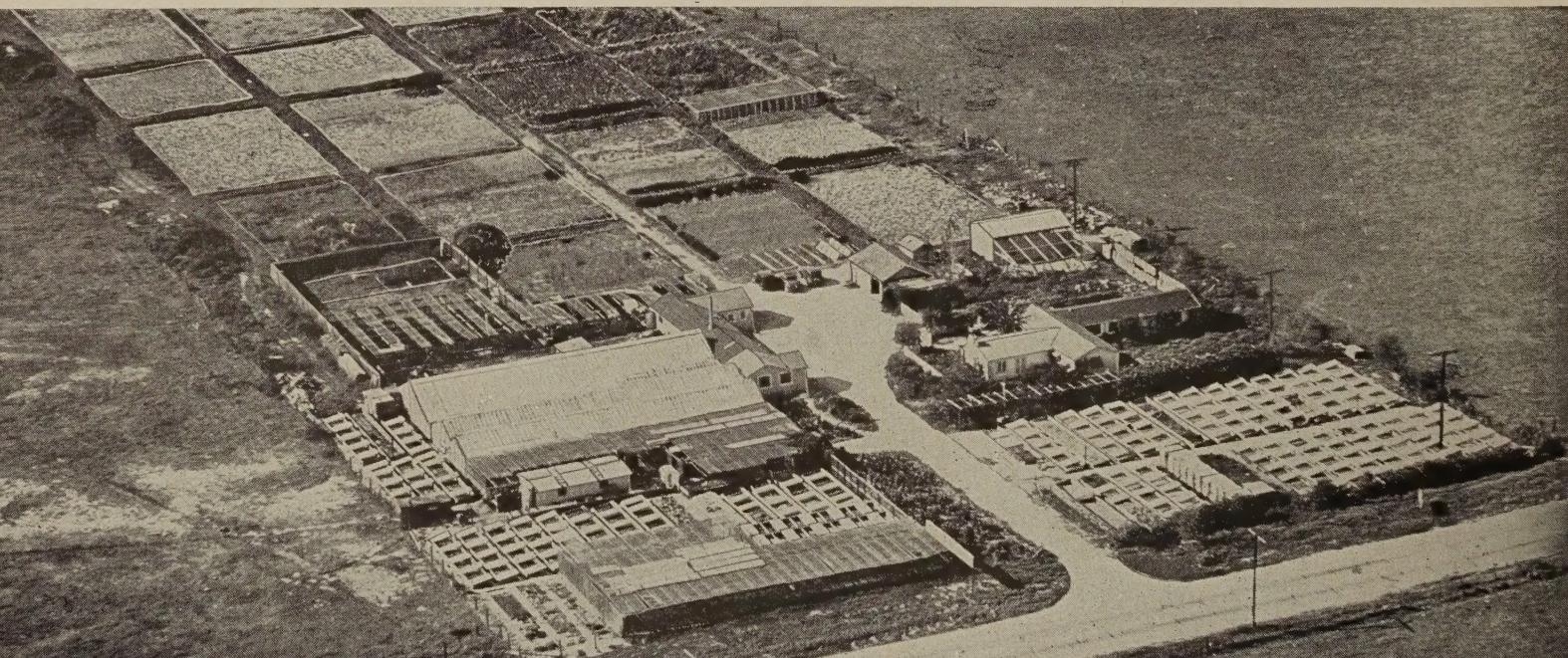
Our guarantee is for safe delivery. We cannot make good plants lost through improper care. If for any reason plants are not received in good condition we will give credit for the damaged items if immediately notified. Satisfied customers are our greatest asset.

December shipments only by Express at customer's expense.

TO OUR PATRONS

This year our supply of plants is larger than ever and we feel sure you will find the quality of the best. Our new equipment has more than proved its worth. Much against our will this 1950 catalog is smaller than for many years. Our prices are at the 1935 level, the quality and service much better. Parcel Post charges have greatly increased, particularly on small parcels. Our fixed costs are approximately 2 1/2 times the old level. Scientific quantity production can no longer absorb these increases. Rather than raise prices or reduce quality we reduce the size of the listings here and offer our new Handbook for those who wish a larger selection. Those who have 1949 catalogs may order from them.

Sincerely,
HARRY JOHNSON.



Opuntias

OPUNTIAS and their close relatives form a most interesting group for the window garden. They are very "cactusy" looking and grow most easily. They make attractive subjects for dish gardens. Some have flat pads, others are round. None that we offer bear sharp spines.

Culture. They like a loose, sandy soil, and if planted may be watered regularly, but don't keep them wet. Wetness is the foe of almost any kind of house plant. They grow easily from cuttings.

SPRUCE CONES. Pictured below at right. A most interesting novelty recently introduced. These weird looking, jointed cacti are practically spineless, grey-blue in color and look much like the cones of Spruce. They are related to the Paper Spine. A fine new plant to add to your collection. 2-inch to 4-inch. Each...45c

Paper Spine Opuntia. *Tephrocactus glomeratus*. We have some particularly handsome clean specimens with beautiful white, curling, papery spines. Really de luxe. Every collection should have one of these fine plants. Each...35c

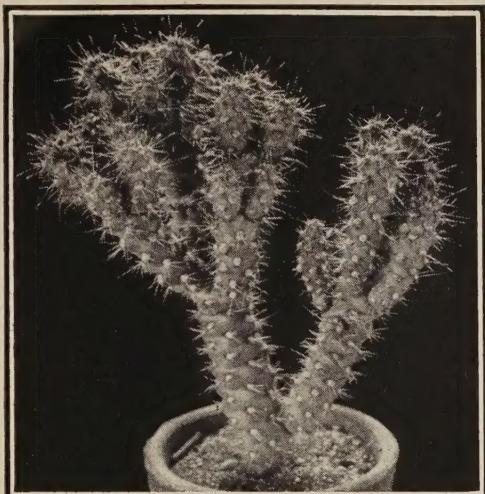
Old Man Opuntia. *Opuntia vestita*. An Andean species bearing long, white woolly hairs, giving its stems a venerable appearance. This choice specimen grows easily and is one you should have. Nice plants, 5-inch to 8-inch, 35c. Smaller, 3-inch, each...25c



RIBBON CACTUS

Bears stiff, curling brown ribbons instead of spines. *Tephrocactus Turpini* makes fine specimens, quite different from most cacti. See photo at right.

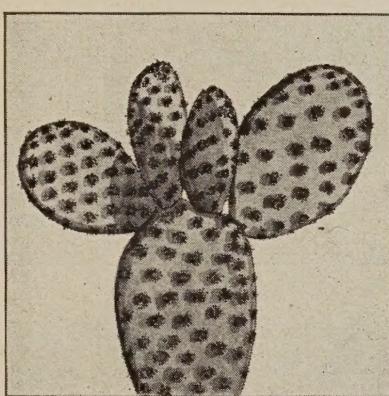
50c



DWARF TREE OPUNTIA

Grows as a tiny, well branched tree. *Opuntia villosa* grows under almost any conditions. A Mexican species doing well in sun or shade. Well branched, each.....

25c



CINNAMON CACTUS

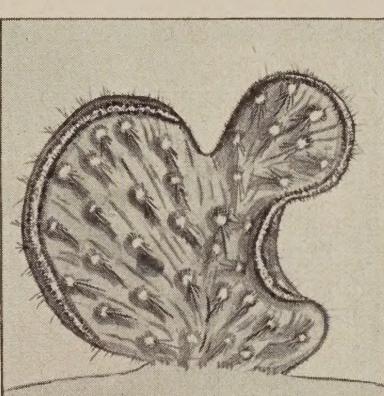
Opuntia rufida branches freely. The glochids are rich cinnamon brown against the dark green pads. Grows easily and is much used for dish gardens. Nice branched plants, each.....

25c



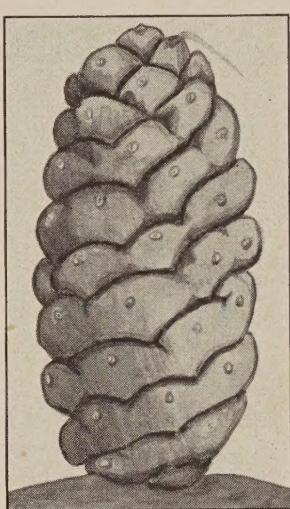
LEMON VINE

Though a true cactus, it bears large shining green leaves and waxy, lemon scented, white blossoms. *Pereskia aculeata* is a vine and is often used as a stock to graft Xmas Cactus. In shipping they often lose leaves. This does not hurt them. Potted 30c



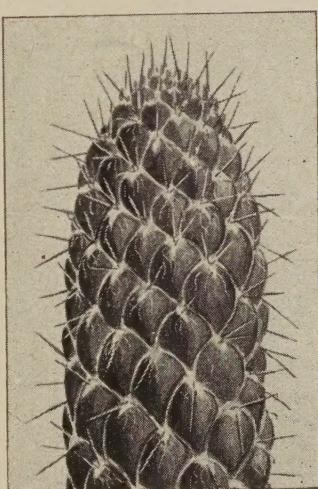
CRESTED OPUNTIA

Crested forms of cacti are among the most interesting of all. *Opuntia serpentina cristata* never loses its cockscomb growth. Splendid. 2-inch to 3-inch crests, each...35c



SPRUCE CONES

One of the most intriguing novelties I have seen. The curious cone-like joints of *Tephrocactus strobiliformis* look like some weird growth from Mars. The smooth cones have sunken areoles. Very pretty. Nice plants, 2-in. to 4-in. 45c



DEVILS CANE

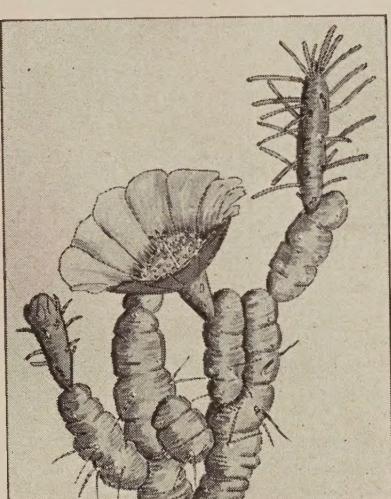
Opuntia cylindrica. 2-inch to 4-inch.....

25c



BOXING GLOVE

The odd *Opuntia mammillata cristata* starts with a round stem which crests out into the most bizarre shapes imaginable. A most interesting and easily grown form. 2-inch to 3-inch, 25c



OPUNTIA VERSCHAFFELTII

An uncommon small, tree-like species without spines, from Bolivia. The young growths bear true leaves. Flowers red. A choice species. 3-in., each...35c

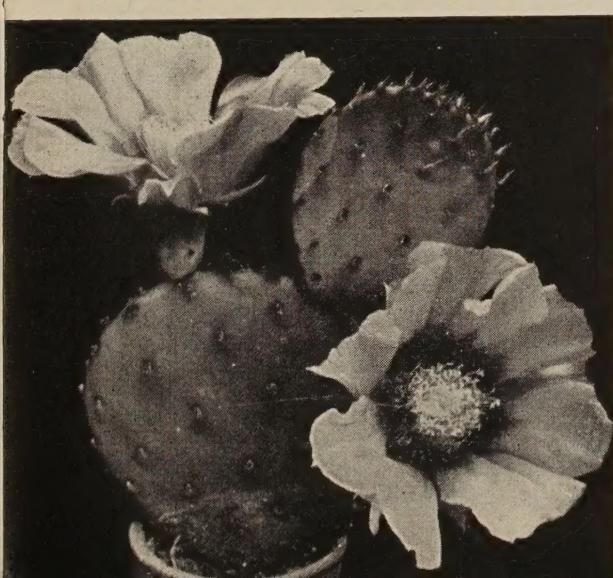
Opuntia teres. A choice branching species. 3-in. to 4-in., each...30c



THIMBLE TUNA

A pretty, dwarf, round stemmed species with bright crimson flowers forming interesting, small clusters. A native of southern Peru. *Tephrocactus spaeericus* is easily grown. Small clusters, each.....

35c



Opuntia polyacantha. From Wyoming. Forms small clusters and bears yellow flowers. For outdoor planting. Each...25c

At left.

DOLLAR CACTUS

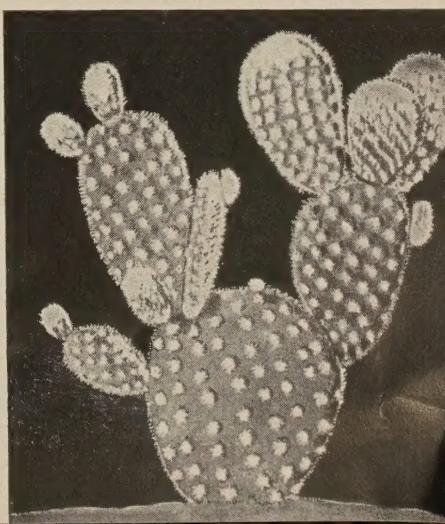
Circular blue-powdered pads and really handsome large yellow blossoms with a red eye. Almost spineless and extremely free in flower. Moderate sized plant. Give it plenty of sun, a sandy soil, and when growing a little Cactus Food to give it the vigor to blossom. Each...35c

ANGEL WINGS

One of the loveliest of recent introductions. A dainty plant covered with cottony white glochids that do not stick! It branches freely, making a quaint small specimen. Charming.....

25c

Honey Tuna. Pretty variety with honey colored glochids. 30c



ORCHID CACTI



GLORIA ORCHID CACTUS

A lovely and free flowering variety, brilliant red with a touch of orange. The flowers are quite large, produced in May. Like all Orchid Cacti they require a little more water than regular Cacti. Each.....

75c

Amber Queen. Shiny deep red, inner petals orange red.....

75c

Agatha. Soft, pastel pink with darker eye.....

75c

Conways Giant. Huge crimson and violet.....

85c

Scheherazade. Pink suffused lilac.....

75c

Moonrise. Snowy white, outer petals saffron.....

75c

Oriole. Inner petals white, outer rich yellow.....

75c

PEACOCKII. A noble flower of vivid carmine red with luminescent violet blue throat. Lovely.....

\$1

Scarlet Giant. Huge vivid orange scarlet, throat violet red.....

85c

Sun Goddess. Brilliant burnt orange with violet eye.....

\$1

DR. HOUGHTON. The finest. Outer petals red, shading to orange, the inner bordered with violet with orange center stripe. The throat of brilliant electric blue violet impossible of description. Each.....

\$1.25

Sacuntala. Terra cotta edged with carmine with violet center stripe.....

85c

Valencia. Inner petals lovely orange yellow with touch of violet in throat.....

75c

Hermosus. Strikingly beautiful. Red outer petals enclosing brilliant purple throat.....

\$1

Hermosissimus. A spectacular favorite. Brilliant red bordered by violet with luminous violet throat. Glorious.....

\$1



PROFESSOR EBERT

A lovely free blooming variety with flowers of bright violet carmine. A good sturdy growing plant with triangular bright green stems and quite sure to flower. Makes an attractive plant. Bold blossoms of fine form. Each.....

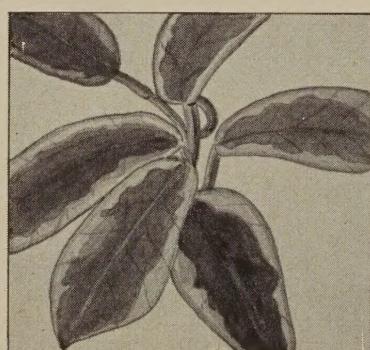
90c



RHIPSALIS CRISPATA

The Rhipsalis make nice bush specimens. Bears white blossoms in the spring. A tree cactus native to Southern Brazil. Likes a moist shady place. There are many kinds. Each.....

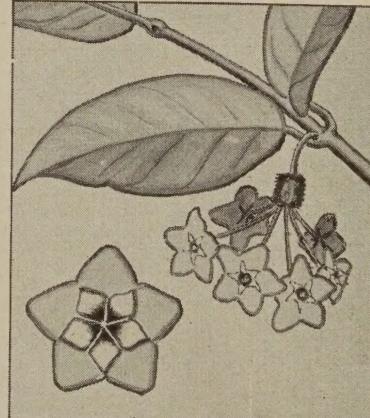
35c



TRICOLOR WAX VINE

A handsomely variegated form of Hoya carnosa. The leaves are boldly margined with yellow, often tinged with pink. They are much sought after for dish gardens. They grow well in shady locations. Sandy loam and moisture. Each.....

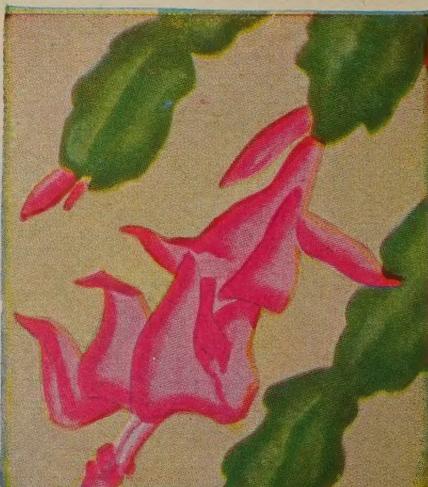
\$1



WAX VINE

Hoya carnosa bears lovely, wax-like pink blossoms and shining green leaves. Moisture and partial shade. Nice plants.....

75c



CHRISTMAS CACTUS

A lovely winter flowering cactus, well known. 3 to 5 inches, 75c. Smaller.....

50c

ORCHID CACTI or Epiphyllums bear the showiest blossoms of all cacti. The flowers are very large, from 5 to 10 inches in diameter, and in the brightest pink, violet, orange, white and vivid bicolors imaginable. They bear no spines, as they are not desert plants, but are found growing on trees and rocks along with Orchids and Bromeliads. They have been vastly improved in color and size in recent years. The flowers now last several days and even Orchids pale beside their glorious coloring. The delicate petals are like satin, the colors fresh and brilliant. They vary considerably in shape. Some starry, others bowl shaped, with wide overlapping petals.

Culture. In general they should be treated very much as one would ferns or begonias or even geraniums. This is understandable when one remembers they are not desert plants but native to the warm upland forests of Mexico and Central America. They enjoy a soil of gritty sand, leafmold and sandy, rich loam in about equal proportions. An average plant as shipped should have about a 4-inch pot until well established. Give plenty of fresh air, a well lighted position and water moderately when dry. Winter them cool at about 50 degrees. They flower in April and May.

RAINBOW TRIO

Collection No. S 2

3 beautiful Hybrid Orchid Cacti particularly selected for their brightness and long blooming season. Our selection properly named, rooted plants.

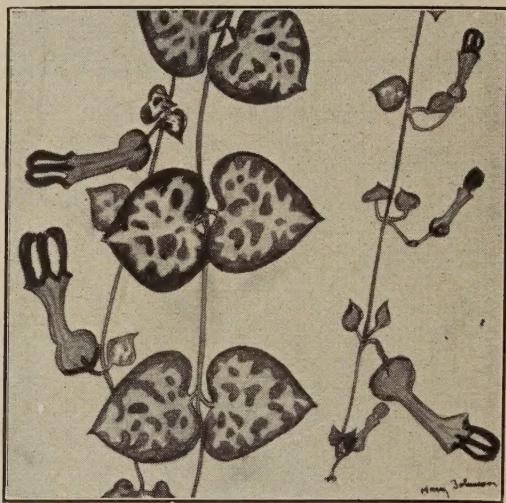
Bright Red.

Pink.

White.

Three choice hybrids.....

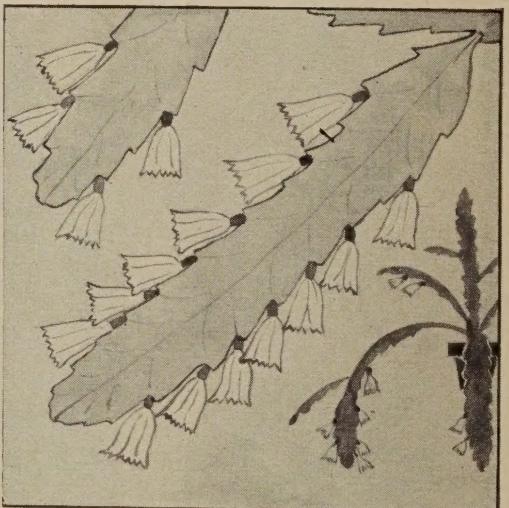
\$2.00



HEART VINE

The leaves are prettily marbled with silver. Hangs down in long trailing curtains. Ceropegia Woodii thrives in any window. Curious blossoms all the year. Springs from a small tuber. Likes moisture. Potted.....

35c



SNOWDROP CACTUS

Its arching stems are gemmed with white bells. Rhipsalis Houlletiana likes a shady location, leafmold and generous waterings. Each.....

50c

Succulents

THESE colorful and fascinating desert plants are becoming increasingly popular with our patrons. Most of them are easy to grow in the window garden and none of them have spines. Succulents belong to many families of plants while Cacti belong only to the Cactaceae. They are found mostly in Mexico and South Africa. Some are popular because of their lovely or curious flowers as the Echeverias and Starfish Flowers, others because of their handsome leaves, some covered with plush, some delicately colored or powdered white and rose.

Culture. A soil of one part easily crumbled loam, two parts sand, one part leafmold is suitable, though any loam soil will do. Water only lightly when newly planted, watering again only when dry. Give plenty of fresh air. The more shade they are grown in the less water they will need.



WART PLANT

The Haworthias make fine window plants. Give them a quite sandy soil and partial shade. *H. subfasciata* has small white dots on the dark green, leathery leaves. 2-3 inch, 35c. 1 1/2 inch.....

25c



MEXICAN GEM

Close rosettes of powdered white, spoon shaped leaves. The blossoms which appear in the spring are charming. Colors are brightest when given plenty of sun. *Echeveria elegans* is from Mexico and does most of its growing in the fall. Give it a sandy soil. Very easy to grow. Each.....

25c

CHENILLE PLANT
Echeveria pulvinata is a dainty beauty. Order only in spring or fall.

25c



SCARLET PAINT BRUSH

Everyone should have *Rochea falcata*. Extremely easy to grow. 5-6 inch, 50c. 4 inch, 35c. 2 inch.....

25c



HAIRY STAR FISH FLOWER

This lovely, bright desert star is one of the most fascinating of succulents. Blooms freely the first year. Grows easily in sandy soil. Likes a little Cactus Food when growing. Give *Stapelia hirsuta* moderate water in summer. Keep rather dry in winter. A fine window garden plant. Potted....

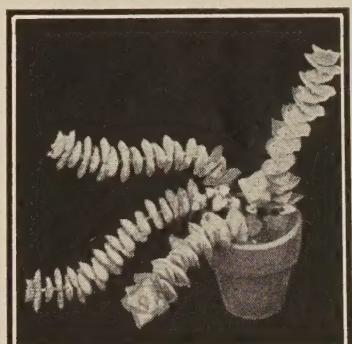
35c



PAINTED LADY

A lovely late winter blooming succulent. *Echeveria derenbergii* grows well for everyone. Blossoms are orange yellow, borne on short spikes, and several spikes appear on a plant. They make charming specimens that remain in bloom a long time. Florist shops buy thousands of them. This Mexican succulent has pretty, fat white leaves that are rimmed with red. Likes a sandy soil, moderate watering, and some summer shade. Flowering size specimens, 2-2 1/2 inches, 35c. Small flowering size.....

25c



NECKLACE VINE

Very attractive. Nice, 2 for.....

35c

CURIOSITY COLLECTION No. S3. The below six plants. You will enjoy planting this easily grown group in a pot or bowl for a cheerful breakfast nook. All six..... \$1.25

PEANUT CACTUS

Easy to grow fast, forming many headed specimens. Flowers large, bright red. Each.....

25c

PINCUSHION

Grows quickly in sun or part shade. Flowers when small. Each.....

25c

BIRD'S NEST

Curling yellow spines. Long slim spikes. Flowers red when small. Each.....

25c

RED DRAGON FLOWER

Cluster forming. Flowers red and yellow. Each.....

25c

CHRISTMAS CHEER

Grows anywhere. Colors best in dry, poor soil. Each.....

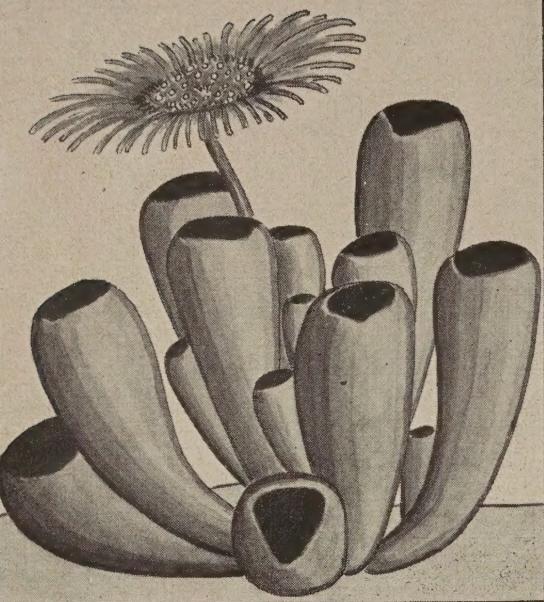
22c

FLOWERING PINCUSHION

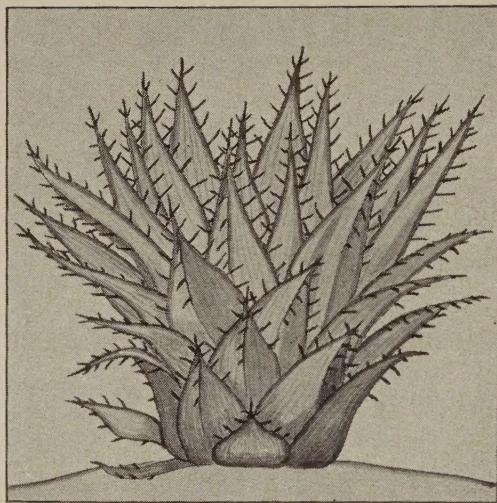
Handsome carmine flowers in spring. Easy to grow and flower. The *Mamillarias* are very satisfactory for the beginner. Nice plants, 35c. Smaller.....

25c



**BABY TOES**

An odd "window plant" with pretty snow-white blossoms. Each leaf of Fenestraria has a clear window at the tip. Cultural instructions sent with each plant. These are real curiosities and a source of unending interest. Full sun. Potted, each.....

40c**LACE HAWORTHIA**

The lacy effect of Haworthia setata is produced by the white bristly teeth. The leaves are lined with transparent windows. Easily grown in quite sandy soil, moderate watering, partial shade. Keep dry in July and August. Each 50c and.....

35c

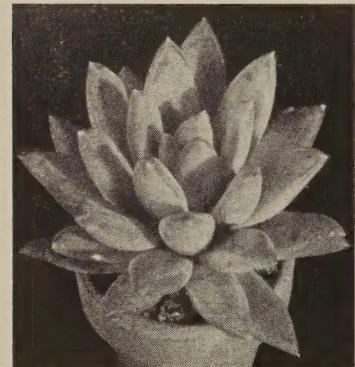
ORANGE BABY TOES. *Fenestraria aurantiaca.* Potted.....

50c**CHAIN PLANT**

Each.....

25c

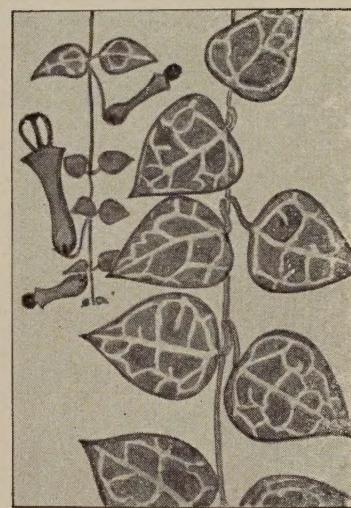
DESERT ROSE
Trichodiadema densa.....

35c**PACHYVERIA GLAUCA**

Blue White.....

25c**PINK CHAIN**

Sedum Sieboldii. Plants are deciduous and winter hardy. Lovely.....

30c**CEROPEGIA BARKLEYI**

A trailing, small vine with variegated leaves. Easily grown. Likes moisture. Partial shade. Related to the Heart Vine. You will like it. Potted.....

35c

FLOWERING SUCCULENTS
Collection S 4

A simple, easily grown assortment of easily flowered succulents for the window garden. They are plants everyone enjoys. Planted together they make an attractive dish garden. **Painted Lady, Silver Chenille, Tiger Jaws and Scarlet Paint Brush.**

All 35c sizes.....

\$1**ZEBRA HAWORTHIA**

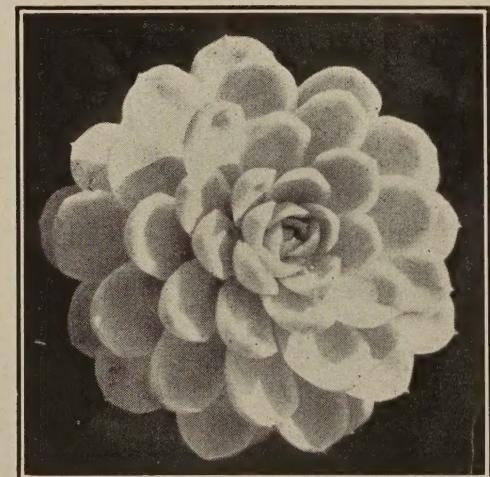
The charming Haworthia fasciata is much sought after because of the pearly white raised white lines banding the pointed, leathery leaves. All the Haworthias like quite sandy soil, never want to be kept too dry. A little Cactus Food is a help. Each.....

35c**BURRO TAIL**

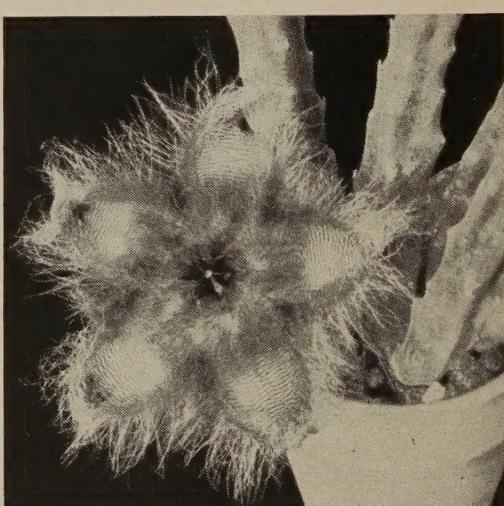
A lovely plant whose lambent, pendulous tassels of palest silver have won it a place in the choicest collections. Very easy to grow, *Sedum Morganianum* makes perfectly glorious specimens, the tassels reaching 3 feet in length. Likes moisture and a cool rather than hot situation. Each.....

35c**PICKLE VINE**

An old favorite seldom seen now. *Othonna crassifolia* has hanging stems with small, fat, green pickle-like leaves and pretty yellow flowers throughout the year. Easily grown. Each.....

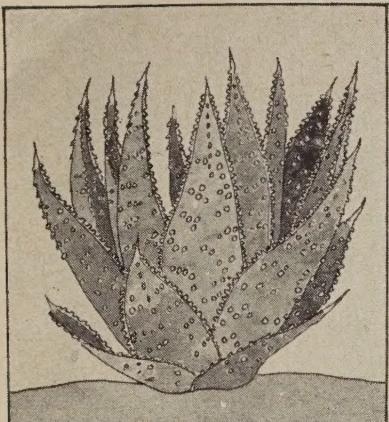
25c**ECHEVERIA GILVA**

Makes rosettes up to 6 inches across. Pale green leaves often tipped reddish. Becomes clustered. Easily grown. 35c and.....

25c**BEARDED STAR FLOWER**

An exquisite almost scentless blossom. *Stapelia pulvinata* is heavily bearded with white or rosy purple hairs. Sandy soil. Moderate water. Flowers from July to October. Each.....

40c

**PEARL ALOE**

Each leaf is gemmed with tiny seed pearls. Aloe Bequinii enjoys a light loam soil, partial shade, moderate waterings throughout the year. Each..... **25c**

**JEWEL PLANT**

A lovely mimicry plant often becoming highly colored in winter. Titanopsis calcarum likes a sunny location. Large flowering, **35c**. Smaller..... **25c**

White Jewel Plant. Titanopsis Schwanstii. Lovely white leaves..... **35c**

BEAD VINE

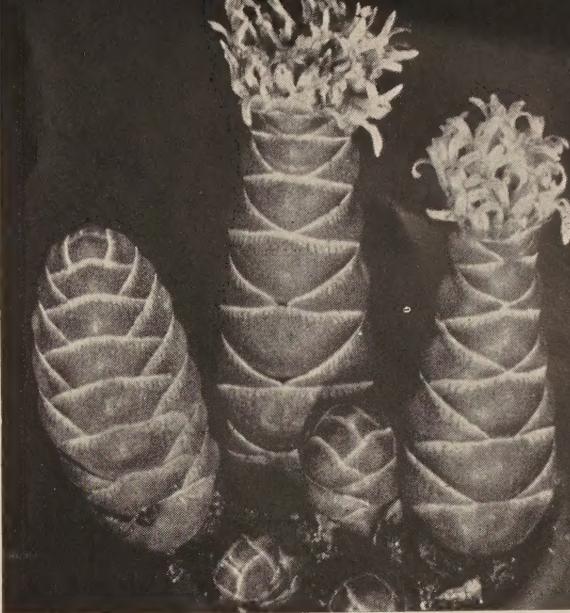
Like buttons strung on a string. Bears pretty clusters of pink blossoms. Easy to grow, attractive, curious. 2 for..... **35c**

VIOLET QUEEN

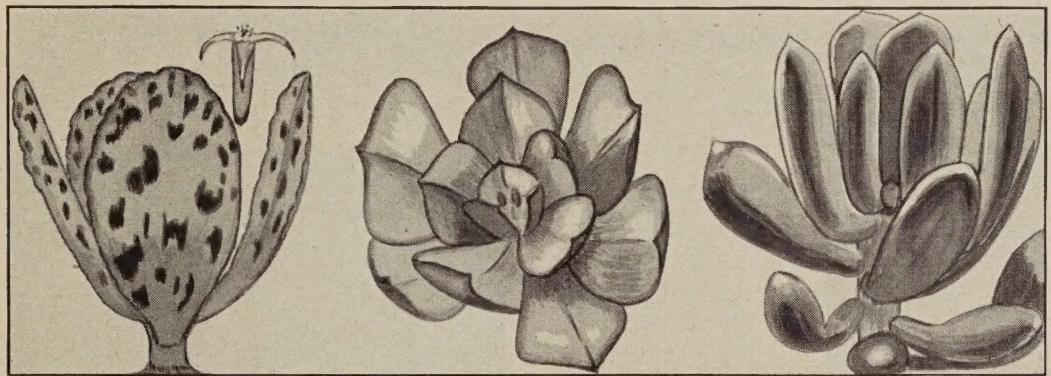
This lovely Echeveria is white tinged with violet. A very charming specimen in any collection. Nice **30c**

CORAL BEADS

Every bead is brightest red. Every bead that falls will grow! Sedum Stahlii colors brightest in full sun. 2 for..... **25c**

**RATTLESNAKE CRASSULA**

The rare Crassula teres is seldom seen except in the choicest collections. It branches freely from the base, each stem eventually terminating in a cluster of white blossoms which scent the room with fragrance. It grows slowly, liking a light soil with some sand. Semi-sun and moderate waterings. Not at all hard to grow. Each..... **35c**

**PENWIPER PLANT**

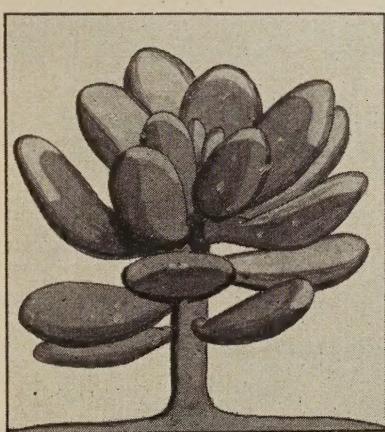
An interesting succulent with heavily maroon blotched leaves. Bears a truss of fragrant white blossoms. Kalanchoe marmorata is a favorite liking reasonably sunny location to keep the colors bright. Each..... **25c**

ECHEVERIA KEWENSIS

Grows into a nice specimen up to 8 inches in diameter. The leaves are blue green flushed with red. The flower spikes bloom over a long period. Nice. Each..... **25c**

PACHYPHYTUM BLUE HAZE

A lovely hybrid making an attractive tall specimen. The leaves are blue tinged violet, the tips lighter. Likes a sunny location, moderate waterings. Pretty..... **25c**

**MOONSTONES**

The plump white leaves are chiseled from alabaster, their glaucous surface gently suffused with lavender. Pachyphytum oviferum var. grows easily and every fallen leaf will make a plant. Does well in shade or sun and thrives on neglect. Each..... **25c**

**SILVER CHENILLE**

Handsome emerald green leaves with soft white hairs. In winter bears spikes of a dozen crimson bells lasting for weeks. Echeveria plumosa in flower or not is exquisite. Branches freely. Each, **35c**. Smaller..... **25c**

**CRIMSON KALANCHOE**

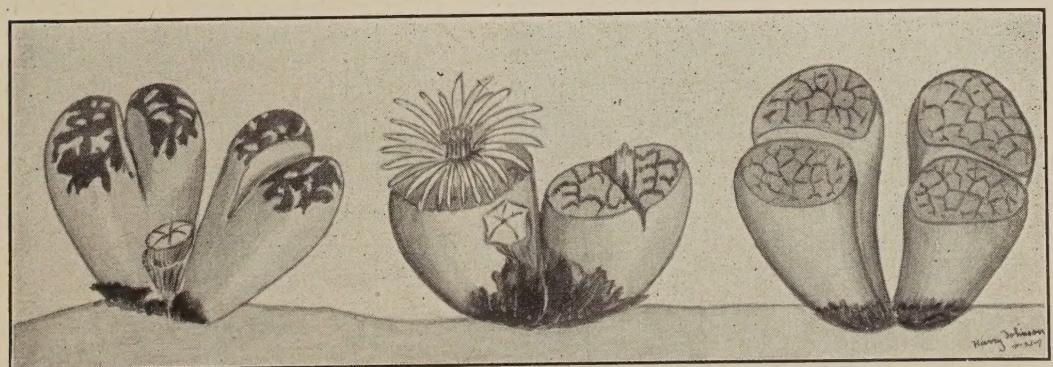
Kalanchoe globulifera hybrida A beautiful pot plant that can be brought into bloom at Easter. Blooms over a long period. Crimson blossoms in clusters. Likes a rich soil. Each..... **25c**



"Collecting rare cacti is the most interesting hobby I have ever indulged in. I have 105 varieties. I am delighted with your plants." Mrs. Bill Harper, Cheneyville, La.

CALICO HEARTS

Adromischus maculatus will be one of the gems of your collection. Easily grown in light loamy soil, moderate waterings with some shade in hottest part of day. Beautifully mottled with maroon. Each..... **35c**

**LITHOPS FRAMESII**

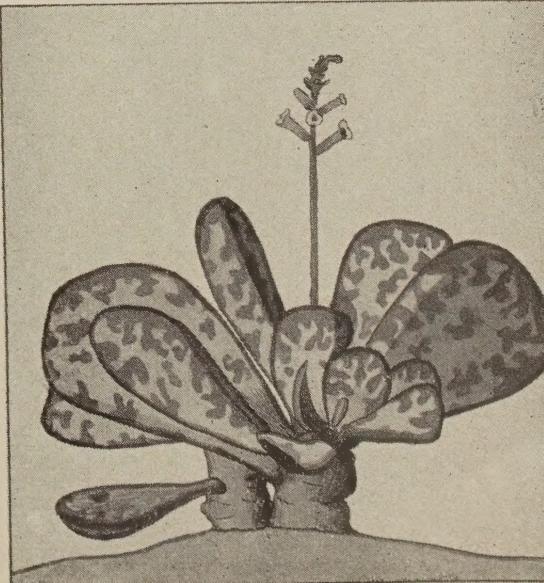
A lovely species, violet grey with darker pattern. White flowers in October. Each..... **35c**

LITHOPS URSULAE

Charming rosy tan with darker rust colored incised lines. Flowers white in Sept..... **35c**

LITHOPS FULVICEPS

The fat rosy beige leaves have an intricate pattern of brown lines. Flowers white..... **35c**



TERMS

This catalog cancels all previous catalogs and prices. Please do not order from old catalogs, as plants are often out of stock.

I GUARANTEE SAFE DELIVERY
ANYWHERE IN U. S. OR CANADA

No Shipments During December Because of
Crowded Christmas Mails and Cold Weather.

MINIMUM ORDER FDR FREE DELIVERY IS
\$2.00. Orders for less must include 50c extra
to cover packing costs.

FREE DELIVERY on all orders amounting to
\$2.00 or more.

HOW TO REMIT: By check, postal note,
money order or stamps. When stamps are sent
I appreciate larger denominations. 10c and 25c.

NO C.O.D. ORDERS ACCEPTED.

HOW WE SHIP. By guaranteed Parcel Post,
which delivers directly to your door. All plants
are passed by State Horticultural Inspectors to
insure freedom from insect pests. They are
packed by experts in strong, especially made
boxes, heavily insulated from cold and clearly
marked Rush—Perishable—Tender Plants.

OWING to our doubled costs and very low
prices we have had to raise our minimum free
delivery order to \$2.00. Otherwise we would
have to raise all catalog prices. Orders for
less than \$2.00 please add 50c for packing.

MAY WE SUBSTITUTE IF OUT?

We have fine stocks of all items offered, but
owing to the great number of items listed we
ask if you will add to the bottom of your list
two or three second choices.

CACTUS HELPS

COLLECTION \$100

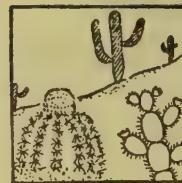
Items to make the growing of your plants
easier and more enjoyable. Included here are
all the things to root and grow your plants
except loam and sand. Sand may be purchased
from poultry houses or builders. Loam from
garden or hillside.

Book, "Cacti and Succulents and How to
Grow Them."

75c package Cactus Compost.
Johnson's Cactus Food.
Johnson's Cactus Soil Conditioner.
Quart of Cactus Hardwood Charcoal.
Bottle of Johnson's B1 Tablets.
50 Painted Wooden Plant Labels.
Items to Make Cactus Growing
Easy. Postpaid..... \$3.00

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SUPPLIES for CACTI

Few things are needed in the growing of cacti more than interest and a desire to form an increasing collection of them. However, for the city dweller and more serious collector I am offering a few things that may make their culture easier. The things we offer are the things we ourselves use.

JOHNSON'S CACTUS SOIL CONDITIONER

Of great assistance in keeping cacti in good health, it is designed to add the minerals ordinary garden soils often lack. Desert soils are often high in mineral content, for there is little rain to leach them away. A spoonful of my Conditioner placed about a Cactus plant and stirred lightly into the soil will often bring an ailing one back to health. Mix it with your potting soils.

Small Size, 10 Ounces, Postpaid..... 60c
Large Size, 32 Ounces, Postpaid..... \$1.00

JOHNSON'S CACTUS COMPOST

Mix With Your Own Sand and Soil

An economical compost for Cacti and Succulents which when mixed with equal or larger quantities of both sand and light loam makes a very suitable soil for all desert plants. Composed of our recleaned sclerophyllous leafmold, lime, gypsum in the proper proportions for all potted cacti. A light and bulky mixture, the same as we use in our own potting soils for both seedling and specimen plants.

Per Peck, Postpaid..... \$1.95
4 Pints or 2 Pounds to Make 6-10
Quarts of Potting Soil. Postpaid..... 75c

OUR SPECIAL CACTUS LEAFMOLD

A recleaned, sclerophyllous desert leafmold, sifted, light and dry. Mixed with equal parts of both sand and loam, it makes a fine, economical cactus soil.

4 Pints or 2 Pounds to Make 6-10
Quarts of Potting Soil. Postpaid..... 70c

HARDWOOD CACTUS CHARCOAL

Useful in keeping cactus soils sweet and aerated. Helpful in heavy soil.

Per Quart..... 40c

CACTUS INSECTICIDES

Our special instruction sheet describing common cactus pests and treatment, with spray formulas. We recommend Red Arrow Spray as effective and non-injurious to cacti or other house or garden plants.

Instruction Sheet and Bottle of Red Arrow Spray. Postpaid..... 40c

VOLCK SPRAY. An oil spray recommended for any kind of scale insect and for mealy bug. These two insects are hard to kill as they have a waxy covering which repels water. We have used it for years, but only recently has it been put up in small bottles. 4-ounce bottle prepaid (with orders only) with chart describing cactus pests. Full instructions for use..... 50c

BLACK ROT PREVENTIVE

With light waterings, fresh air and sun, rot will not appear. If through too much watering plants turn black and watery its spread may be checked by saturating the top soil with a Semesan solution. It is useful also to spray tiny seedlings to prevent "damping off" or rotting.

1/3-ounce envelope, with cactus instructions..... 20c

2-ounce pkg., with cactus instructions..... 50c

PLASTIC PLANT LABELS

You may write with pencil on these labels and it will remain clear for years. As near a permanent label as I have tried.

Pure white, 6-inch, pot labels, per 100..... \$1.75

PLANT CHEM SALTS

Cacti grown in pure sand and watered regularly with this nutrient solution make healthy vigorous growth. An occasional watering of all your house plants will supply the rare minerals sometimes lacking.

16-gallon pkg., with full instructions..... 30c

100-gallon pkg., with full instructions..... \$1.10

400-gallon pkg., with full instructions..... \$2.10

Cactus Handbook. 48 pages. Orders taken now. Ready in Fall, 1950..... 50c

CEREUS

and its ALLIES

INCLUDED in this large section of the Cactus Family are all the tall growing kinds, most of the climbing kinds as well as many clustering and creeping varieties. Some of the giant Cerei tower upwards for more than 50 feet and weigh many tons, others are so tiny one's thumb dwarfs them. They are mostly found in the warmer regions from Arizona to Argentina. The flowers of some are gloriously beautiful, huge chalices sparkling in the morning sunlight. The climbing varieties such as the Queen of the Night often grow in jungles, climbing in the trees, opening their chaste blossoms in the airy lofts high above the forest floor. The giant tree Cerei grow in scattered groves. In the Andes they linger in the valleys at 12,000 feet.

Culture. The Cerei are at home in the window garden. Generally they have well developed root systems and take kindly to such care as you may give them. They like a good sandy soil, sun or part sun and watering whenever dry. Let them dry out between waterings. Give plenty of fresh air.



SCARLET BUGLER

You will want this pretty Cleistocactus Baumannii. It may grow to two feet tall and bears its tubular bright red flowers all summer long. 12 to 15 inches 75c. Smaller 35c and.....

25c



JOSEPH'S COAT

Handsome variegated with white, yellow, green and pink. This favorite is easy to grow. Opuntia monacantha variegata likes a porous loam, sun or partial shade, moderate waterings. 35c and.....

25c



OLD MAN CACTUS

The long snowy white hair of the venerable Cephalocereus senilis makes it one of the most sought after. They are becoming ever more scarce. Give them a quite sandy soil and water only when dry. They are one of the choicest plants for the window garden. 2 to 2 1/2 inch, 50c. 1 to 1 1/2 inch.....

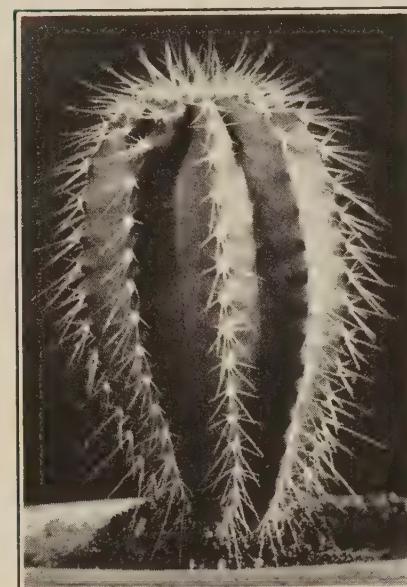
35c



MOON CACTUS

The vigorous, free growing Eriocereus flower most abundantly. The large showy blossoms opening in the evening and remaining open until late morning. Easy to grow, liking a rich loamy soil and moderate watering. Full sun or semi-shade. 50c and.....

25c



AZTEC COLUMN

A very choice specimen of stately proportions. Cephalocereus polylophus has red blossoms and bears up to 40 ribs. Scarce. Nice plants 2 1/2-3 1/2-inch.....

35c

CACTUS AND SUCCULENTS

And How to Grow Them

Well illustrated beginner's book. 68 pages

50c

ODDS AND ENDS

COLLECTION P 19

A grab-bag collection of plants left over from shipping tables. You will get your money's worth.

12 different \$1.50

RAINBOW CACTUS

One of the handsomest and freest, dwarf, blooming cacti. Echinocereus melancanthus is sure to flower and has a long blooming period. Often flower when hardly an inch tall with blossoms larger than the plants! Likes a rich soil, though it should be sandy for drainage. Moderate waterings. Sun or partial shade. Flowering sizes 50c and.....

35c



A NEW YORK COLLECTION

"This is my fourth order and all the plants are growing fine. My daughter Joyce enjoys them too. The Christmas cactus at the left was my mother's and is 30 years old." Mrs. Frank Sistek, Route 3, Dundee, New York.





SNOWBALL CACTUS

The finest haired and whitest of all the Old Man Cacti. *Pseudoespacto melanostele* is like a ball of white cotton. The long cottony hair entirely clothes even the smallest plant. It is a native of Peru. It grows easily, liking a quite sandy soil, very moderate waterings when dry and an airy sunny window. A very fine plant at a very low price. Specimen 2-inch plants, each, \$1.00. Smaller, 50c and.....

30c

BRAZILIAN ROCK CACTUS

A thoroughly worthwhile cactus for those who like flowers. *Monvillea Cavendishii* blooms with amazing consistency if treated generously. The white blossoms are followed by 2-inch, ovoid fruits, crimson and good to eat. Rich loamy soil, generous waterings, sun or shade. Large 8 to 10-inch, 50c. 5 to 7-inch.....

35c

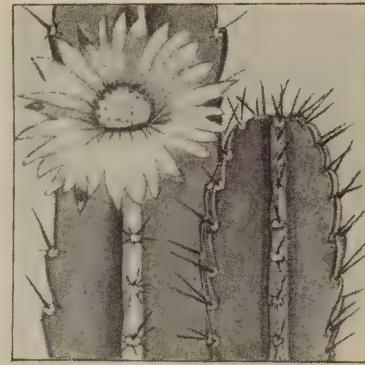
PERUVIAN OLD MAN

This silvery, white-haired Old Man Cactus always attracts attention because of its venerable appearance. It grows somewhat faster than other kinds. *Espacto lanata* is a Peruvian plant thriving in a sandy soil with moderate waterings. Sun or part sun. Nice plants, 2-2½ inches, 50c. Smaller.....

35c

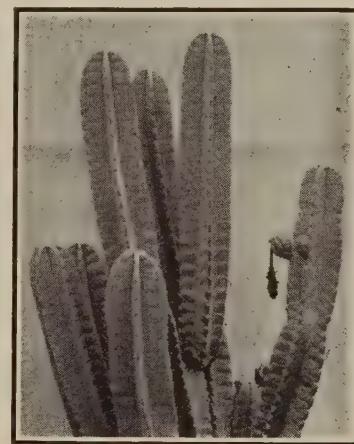
PERUVIAN TORCH CACTUS

A fine easily grown plant liking generous treatment. Bears large snowy blossoms. I took this photograph in Peru in February. It is often pendant from the face of a cliff. Grows rapidly. Hardy at 15° above zero. 4 to 5-inch, 50c. 1½-inch.....

25c

CEREUS MILESIMUS

A fine tree cactus with snowy blossoms. Delicious red fruits 2 inches in diameter. Fine quick growing pot plant. Nice 7 to 8-inch, 50c. Smaller, 35c and.....

25c

FLOWERING TREE CEREUS

Free flowering and tree-like. *Cereus goniophyllum* bears many large red fruits. The sweet crystalline pulp is very pleasant. The fruits of all the Tree Cereus are smooth and spineless. 7 to 8 inches, 50c. Smaller, 35c and.....

25c

SILVER TORCH

The glossy white columns are clothed with soft, silvery spines sometimes tinged red. Flowers tubular, red, very pretty. Clusters freely from base. Well grown specimens are very handsome. Light loamy soil, moderate waterings. Sun or part sun. 6-8 inch, 50c. 3 to 4 inch, 35c. Smaller.....

25c

FLOWERING CACTI

Collection No. S-8

A real window garden of flowering cacti. All are plants that are 3 to 4 years old. Nice 50c sizes that have flowered. We will send budded plants when possible. If other species of the same value are in flower we will send them in place of the listed items below. **Tom Thumb, Mamillaria Sartorii, Plaid, Dams Chin, Snow Cups, Rainbow Cushion, Lemon Ball.** The 7.....

\$3.00

CACTUS AND SUCCULENT JOURNAL

Splendidly illustrated. Stories on culture, collecting expeditions, new species. The Journal brings a new world of cacti. Membership and year's subscription.....

\$3

HAAGEOCEREUS

The Haageocereus are very beautiful plants, the short bristly spines being brightly colored. The plants are stocky and fat and grow into handsome specimens, the kind that win the prizes at shows. They like a very sandy soil, watering only when dry. Full sun is best.

Haageocereus acranthus. Golden Brown, 50c, and.....

Haageocereus Olowinskianus. Chestnut, 50c, and.....

Haageocereus stellaspinus. More slender, 50c, and.....

35c**35c****35c**

PERUVIAN APPLE CACTUS

These tree Cerei are very popular. They have 4 to 7 ribs set with brown spines. The flowers of *Cereus peruvianus* hybridus are lily-like, white. The fruits are generally red, large, spineless, tomato-like, but sweet and crisp for eating. They sometimes weigh up to 11 ounces. They make nice pot plants, but in warm regions when planted out grow into tall trees. 7-8 inches, 50c. 4 to 5 inches, 35c. 2 inches.....

25c

A PHILIPPINE CACTUS COLLECTION

Just a portion of the plants I received from you. My plants are all growing excellently and several are blooming. My friends are surprised to see them arrive safely and in perfect condition from all the way across the broad Pacific. Mrs. B. Abelardo, Quezon City, Philippines.



PRINCESS OF THE NIGHT

Selenicereus pteranthus

A glorious blossom 10 inches across! The best of the night bloomers. White and gold. Sandy loam, leafmold, generous waterings. 6 inches.....

40c

FANCIERS' COLLECTIONS

THE COMPLETE WINDOW GARDEN COLLECTION \$9

16 FINE PLANTS



A fine selection to start your window garden or for planting outdoors during the summer. Contains representatives of all the main groups of both Cacti and succulents. Correctly labelled.....

\$3.00

DE LUXE GARDEN

COLLECTION \$10

28 choice plants, all correctly labelled. A fine selection of the beautiful and odd. Living Rocks, Easter Lily Cacti, Dragon Flowers, Opuntias, Pincushion Cacti, Echeverias, Old Men, Torch Cacti, Cereus, Barrel Cacti, Parodias, etc.

\$5.00

FANCIER'S ASSORTMENT

COLLECTION \$11

60 rare and choice plants for the collector of the odd and beautiful. Stone Faces and other rare South African succulents with South American cacti, Lobivias, Cerei, Notocacti, etc., plus a group of Mexican Mamillarias, Ferocacti, etc. Labelled.....

\$10.00

CENTURY ASSORTMENT

COLLECTION \$99

100 DIFFERENT CACTI

A collectors' group, including all the main genera and species of Cacti. A gift any collector would prize above all else. A very moderate price of only 25c each.....

\$25.00



WHITE TORCH CACTUS

Beautiful, popular and exceedingly easy to grow. *Trichocereus Spachianus* is a fine plant for the window garden. The snowy blossoms are 6 inches across. Plants branch freely from the base, forming nice colonies. Will stand 10° above zero. 5-6 inches. 40c. Smaller.....

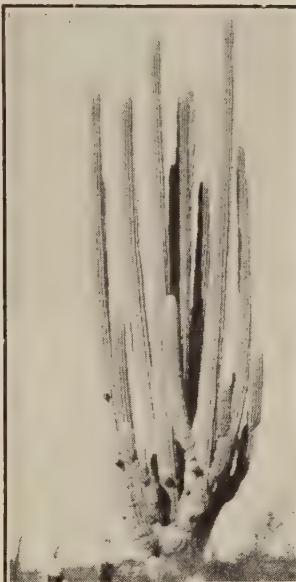
25c



NATIVE COMB

Very pretty pot plant. Indians use the dried seed pods of *Pachycereus pecten-aboriginum* for excellent combs. Plants are copper colored with light spines, 2½ to 4 inches.....

25c



GIANT MEXICAN CEREUS

A nice pot plant with fat green stems and light spines. *Pachycereus Pringlei* is one of the world's largest cacti, growing to over 60 feet in Mexico. Sandy soil, light waterings. 4-5 inches.....

35c



WOOLLY TORCH CACTUS

A handsome Old Man that at flowering time produces masses of white hair. The stem of *Cephalocereus Palmeri* becomes a beautiful powdered blue white with age. It flowers at night with pink blossoms. Comes from Mexico. 2-4 inches, each.....

35c



AN OKLAHOMA CACTUS COLLECTION

"I bought most of my plants from you. I really enjoy taking care of them. Received them all in fine condition. My children enjoy them, too."

Mrs. Jewett Potts, Tuskahomma, Oklahoma.

GOLDEN OLD MAN

Beautiful yellow spines. Masses of silk floss at flowering. A really glorious specimen plant. *Cephalocereus chrysacanthus*. Nice 4 to 6-inch, 50c. Smaller, 2 to 3-inch.....

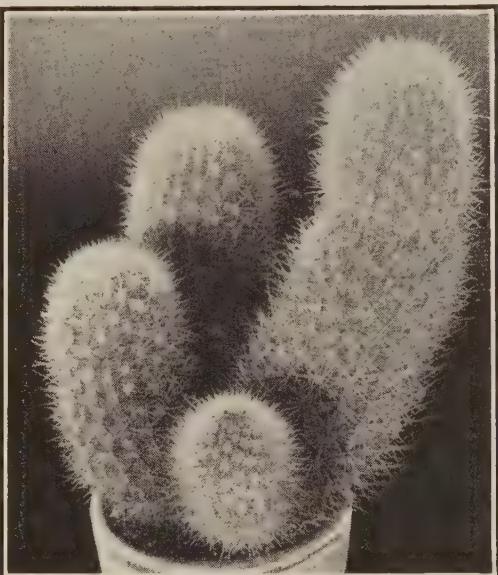
35c



ROSE PINCUSHION

This is a jewel! No one who sees it can resist its charm. *Mamillaria Zeilmanniiana* is natural size in the photo. Flowers are a very brilliant violet red. Even the tiniest plants flower. The blossoms open widely and stand out from the spines. Of the easiest culture. Flowering, 75c and.....

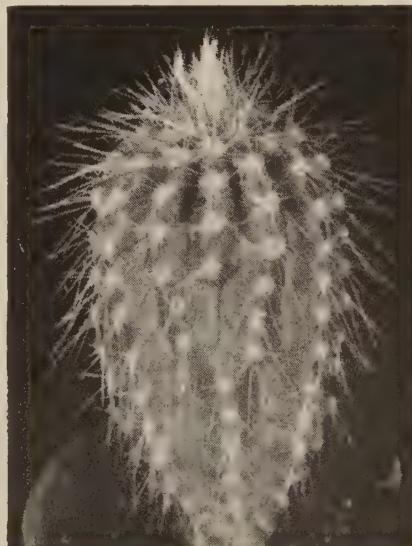
50c



FOXTAIL CACTUS

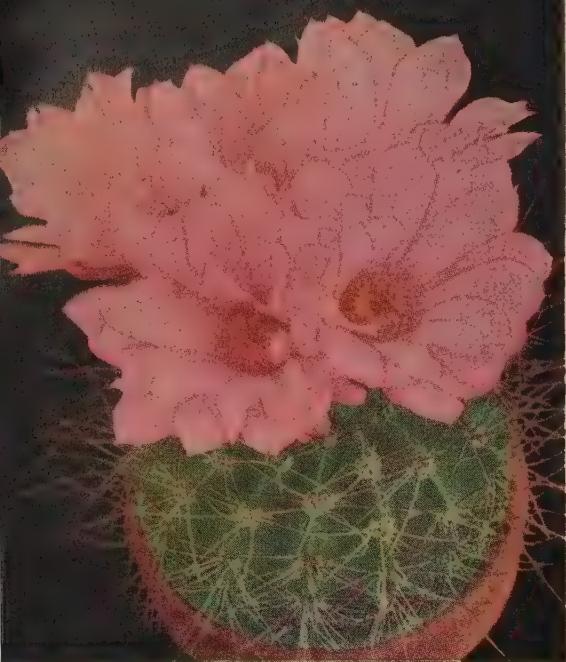
These plants make lovely, bright spined specimens. Real show plants. The bristly spines vary from yellow to orange. I collected the seed of *Haageocereus chosicensis* at Chosica, Peru. Beautiful white blossoms. Sandy soil, light waterings, full sun. Nice specimens, 3-4 inches, 75c. Smaller.....

35c



ECHINOCACTUS

Fascinating Barrel Cacti



VIOLET SEA URCHIN

A lovely flowered small cactus, blooming profusely during the summertime. The blossoms of *Acanthocalycium* are particularly bright and shining and the color is most pleasing. Flowers when small, the number of blossoms increasing yearly. Native to Argentina, the plants reaching 4 inches in diameter. Grows easily in light soil with moderate waterings, sun or part sun. Nice flowering 1½-2 inches, 50c. Smaller.....

35c

ASTROPHYTUM

To this grand group belong some of the most popular and pretty cacti found in Mexico. All are free flowering and are particularly happy in the window garden. They are small or medium size, globular cacti. They are not too choosy but like a sunny location, sandy soil and moderate waterings.

Bishops Cap. Pictured next page.

Four Sided Bishop Cap. *A. m. tetragona*. This unusual variety is just as free flowering as the 5-sided species. Each.....

35c

Astrophytum m. columnaris. Much taller and slenderer than the type. 2½-3 inches, \$1. Smaller, 1-1½ inch.....

35c

Astrophytum capricorne. The handsomest flowers of all. 3-inch golden blossoms with red eye. Lovely. 1-inch.....

35c

Astro. capricorne senilis.....

35c

Astro. capricorne major, 35c. **Astro. cap. minor**.....

35c

INDIAN HEAD

Notocactus Ottonis is remarkable for its long blooming period. The flower buds appear as twists of cocoa-brown fur which swell and burst some morning into glittering yellow blossoms, the red tipped stigma surrounded by minute stamens which roll down tightly when a bee lands in their midst. Easily grown. Blooming size, 50c. Smaller.....

35c



A RHODE ISLAND CACTUS COLLECTION

The very nice and interesting collection of Mrs. Erwin G. Bissell of Newport, R. I. Cacti are tidy plants and may be safely kept in sunny living room windows. Since they never should be watered till they drip they do not present a danger to furnishings. They add interest and life to any room and are a boon to the apartment dweller during the long winter months.

THE BARREL CACTI form a large natural group, including most of those with round or short stems and bearing accordion-like ridges or sometimes chins or nipples. They are found from the United States all the way down to Patagonia. Mexico is particularly rich in the larger kinds. Many bear lovely blossoms, as the *Rebutias*, *Notocacti*, *Parodias*, *Chin Cacti*, etc. I have described here also most globular kinds, though technically some are more closely related to the *Cerei*. The pleated effect of the ridged stems, well shown by Bishop's Cap, opposite, allows them to expand rapidly without bursting when the rains fall. The flowers are regular and wheel shaped generally, though not always, borne among the younger areoles at the top. Those bearing nipples often have the flowers on the tips, as does the curious *Leuchtenbergia*. They grow from sea level to high in the mountains, for in the Andes I found them as high as 14,000 feet, where it is cold even in Summer. The blossoms of these mountain species are of lovely bright colors. It was interesting to find them in such unlikely places. Surprising to me also so high, were the emerald green parakeets. The whole group are most interesting to the fancier. The beauty and symmetry of even the smallest seedling plus their handsome flowers make them unsurpassed.

CULTURE. The greatest number of Barrel Cacti grow readily in the window garden without special care. They like a porous loam soil and I find they all grow well in 2 parts sand, 1 part crumbly loam, 1 part leafmold or our Cactus Compost. A sprinkling of coarse charcoal helps to keep the soil open. When these light soils are used the danger from overwatering is reduced to a minimum. Many of our customers have had remarkable success with our Sand Culture Kit. See page 10. After 40 years of growing cacti I am convinced that very sandy soils and planting with the base at soil level and not buried does away with most cultural difficulties. The beginner should always start this way.



TOM THUMB

A handsome plant with a lovely flower. Our customers write that it flowers regularly in May and June. *Parodia aureispina* has golden yellow spine stars with a short hooked central borne on shallow spiraled ribs. In the full sun they assume a rich golden color. A rapid grower in light soil with moderate to generous waterings. Large 4 to 5-year-old specimens, 2½ inches, \$1. 2-year-old, 1½ to 2-inch, 50c. Smaller.....

35c

PARODIA CHRYSACANTHION

A rare species with lemon yellow, closely set, straight spines. Makes a beautiful specimen. Very choice. Each 1-1¼ inches.....

50c

CRIMSON PARODIA

Bears quantities of large bright ruby-red blossoms. A very handsome plant. Flowers freely when small. Slow growing *Parodia sanguiniflora* is native to the mountains of Argentina. Flowering sizes, 75c, and.....

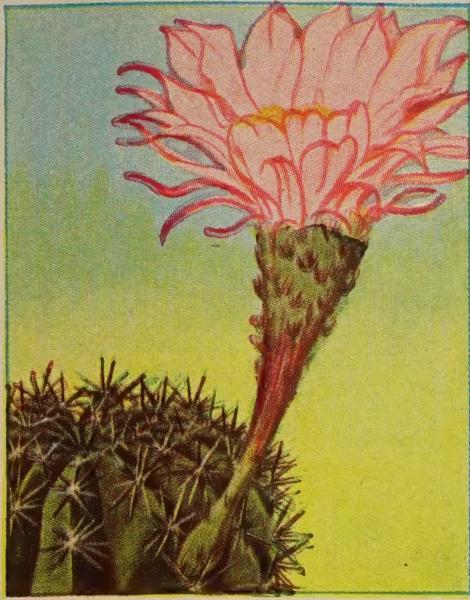
50c



RED CROWN

This year I have some very fine three-year-old plants of *Rebutia senilis*. They are unbelievably floriferous when well grown. I have seen plants with over 100 blossoms. They should be shaded from the noonday sun. Moderate to generous waterings. Large, 50c. Small flowering.....

35c



PINK EASTER LILY CACTUS

Echinopsis multiplex (Half Natural Size)

The handsome large pink blossoms of this fine plant are fragrant. It is noteworthy that every plant in the neighborhood will flower on the same day. No beginner would be without it, as it will grow luxuriantly under almost any conditions. Many times there will be 3 or 4 flowers open at once. Moderate to plentiful waterings. Flowering specimens 2½ to 3 inches. 75c. Smaller plants, 35c and.....

25c

EASTER LILY CACTI

The *Echinopsis* are old favorites with large Easter Lily-like blossoms, some up to 10 inches. They flower profusely and grow easily and quickly.

<i>Echinopsis albiflora.</i> White	35c
<i>Ech. calochlora.</i> Handsome	35c
<i>Ech. Heavenly Twins.</i> Twined flowers.....	35c
<i>Ech. Johnson's Hybrid.</i> Darkest pink. Huge 8-inch frilled blossoms	50c
<i>Ech. Kratochviliana.</i> Dwarf white.....	35c
<i>Ech. Los Angeles.</i> Huge frilled dark pink blossoms. Almost spineless	50c
<i>Ech. leucorrhodantha</i>	30c
<i>Ech. oxygona.</i> Pink	35c
<i>Ech. paraguayensis</i>	50c
<i>Ech. polyanicstra.</i> White	50c
<i>Ech. Ritteri.</i> Grand white! \$1 and.....	50c
<i>Ech. "Rosada."</i> New species75c
<i>Ech. Sylvestrii.</i> Lovely white. 75c and.....	50c
<i>Ech. turbinata.</i> White	50c
<i>Ech. New Species</i>	35c



GOLDEN BALL

The lovely golden haired *Notocactus Leninghausii* is a great favorite and deservedly popular. It is one of our choicest plants. Old plants may be over a foot in height. Sandy loam. Moderate to generous waterings, sun or part shade. Colorful plants, 50c and.....

35c

NOTOCACTUS

Some of the loveliest and most fascinating cacti are in this group. Practically all bear fine flowers. Such charming plants as Golden and Silver and Lemon Ball are among them.

Culture. They are not very choosy and thrive in sandy soils with sun or partial shade with moderate waterings.

Sun Cups. *Notocactus apicus.* Flowers golden yellow, late spring. Easy to grow. Each..... 35c

Notocactus caespitosus. Rare species. Yellow blossoms. Very pretty. Large flowering..... \$1

Yellow Ball. *Notocactus Graessneri.* A handsome species thickly covered with golden bristles. Large 2 inches, 75c. Smaller 1 inch..... 35c

Notocactus Linckii. Rare. Large flowers... 35c

Notocactus Mueller-Melchersii. Handsome pink blossoms. Flowering plants..... 75c

Notocactus muricatus. Rare. Beautiful.... 50c

Notocactus Ottonis longispinus. Distinct variety

Notocactus Ottonis uruguayensis.

Notocactus pampeanus. Charming. Large yellow flowers. A quick growing species. Each 50c and

Giant Ball. *Notocactus Schumannianus.* A fine, large species with yellow hair-like spines. Nice

Notocactus tabularis. Fine yellow flowers... 35c

Notocactus Velanovskii. Red spined..... 50c



STRAWBERRY CACTUS

A group of *Hamatocactus setispinus* is never without flowers in the summer. It is a favorite with all, growing freely and of the easiest culture. The flowers are rather larger than shown and the brilliant scarlet fruits are quite showy. Enjoys a light loam, sun or part sun, watering when dry. Large specimens, 3-4 inches, 50c. Smaller, 1½-2 inch flowering..... 35c



A NEBRASKA CACTUS COLLECTION

"I cannot express the joy these cacti bring me. Most of them bloomed this summer and they have all thrived. Several of my friends have ordered, too, after seeing my plants, and all were well pleased. May you have continued success in your gardens and in bringing joy to others as you have to me."

Miss Lena Caspar, Hildreth, Nebraska.

CACTUS COMPOST

See Page 11 for Supplies

GYMNOCALYCUM

CHIN CACTI

Among the Chin Cacti are some of our prettiest species that the beginner can flower with the greatest of ease. Many flower on the young growth—an advantage for the impatient. Sandy loam with moderate waterings with sun or semi-sun.

<i>Gymnocalycium Baldianum.</i> Pink flowers	50c
<i>Gymnocalycium Bodenbenderianum.</i> Free flowering. Pale warm pink. Nice	50c
<i>Gymnocalycium Bruchii.</i> Large pink	50c
<i>Gymnocalycium Fleischerianum.</i> Pink 50c and.....	35c
<i>Rose Plaid.</i> G. Friederickii. Lovely dark pink. Plant beautifully striped. Splendid. Flowering.....	50c
<i>Gymnocalycium gibbosum.</i> White	50c
<i>Gymnocalycium gib.</i> <i>Schlumbergerii.</i> Rare.....	75c
<i>Gymnocalycium hyptiacanthum.</i> Lemon yellow..	75c
<i>Gymnocalycium Leeum.</i> Rare	50c
<i>Gymnocalycium leptanthum.</i> The largest flowers. Pink	50c
<i>Gymnocalycium Monvillei.</i> Splendid. Large.....	75c
<i>Gymnocalycium multiflorum.</i> Large white.....	50c
<i>Gymnocalycium occultum</i>	50c
<i>Gymnocalycium Quelhianum</i>	35c
<i>Gymnocalycium Urselianum</i>	50c

PARODIA MUTABILIS

The Parodias are all lovely plants with beautiful and bright blossoms. This sterling variety has orange yellow flowers, often with red throat. Even small plants produce several blossoms in May and June. The plant is very elegant and free blooming. Of the easiest culture. Light loamy soil, moderate waterings, sun or semi-shade. Large 5-year-old plants, \$1. 1½ inches, 50c. 1-1¼ inch..... 35c





STAR CACTUS

Every collection should have the handsome *Astrophytum ornatum*. An old favorite of easy culture. It is beautifully flecked with a myriad of snowflakes which are really microscopic spine clusters. Large lemon yellow flowers. Grows freely in sandy loam, sun or part shade. Nice.....

35c

Astrophytum ornatum Mirbelli. A choice white flecked variety. 1-1½-inch, each.....

50c



PELECYPHORA ASSELLIFORMIS

Extremely rare in cultivation. The plants are 1 to 1½ inches in diameter, bearing apical, bright purple-pink blossoms. These Mexican plants are real oddities. It likes a sunny place in the window and very sandy soil or sand with moderate waterings when dry. Mature flowering imports.....

\$1.25

Pelecyphora Valdeziana. Rare new species.....

\$1.50

NOTOCACTUS MAMMULOSUS

Lively yellow blossoms, each petal like satin. Surprisingly easy to grow and flower. Very accommodating, thriving in sun or partial shade, liking sandy loam, moderate to generous waterings. 3-year-old, 50c. Smaller.....

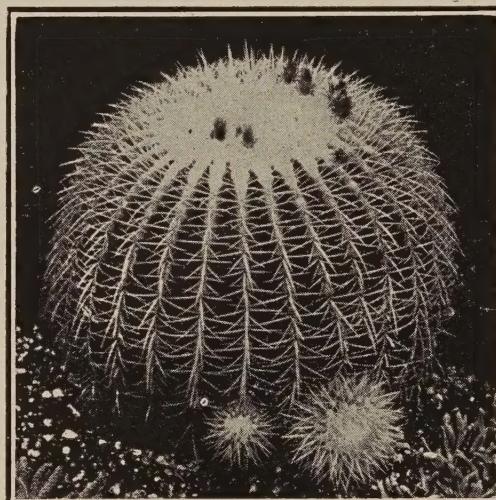
35c



SAND DOLLAR

One of the oddest cacti, entirely spineless and freely bearing large yellow blossoms with a red throat. Very rare even in the wilds, where it grows scattered thinly on the desert mesas. Best potted in sand, watering lightly when dry. Give it a very light position with some sun. It flowers from May to October. Well rooted, established plants. Specimens, 3 to 4 inches, 85c. Flowering, 2-2½ inches.....

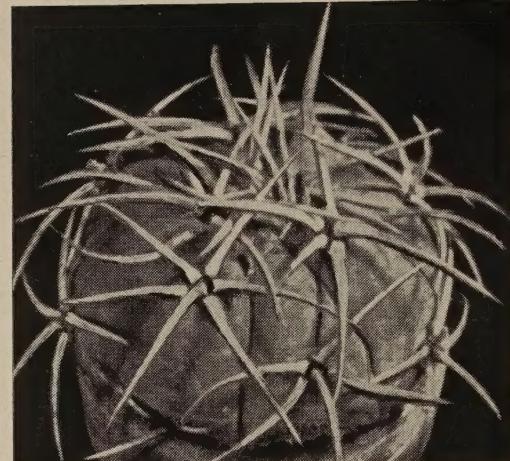
60c



GOLDEN BARREL

Bright golden globes. Small plants bear nipples like a Pinecushion. Well grown specimens of *Echinocactus Grusonii* are beautiful. Very sandy soil, watering only when dry. 1 to 1¼ inches.....

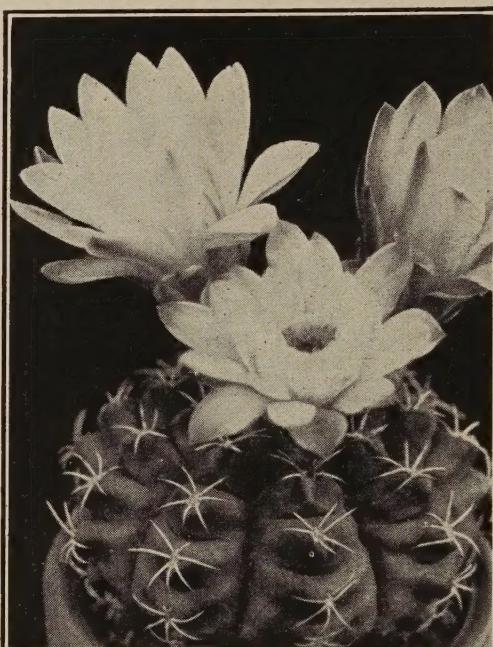
35c



EAGLE CLAWS

An old favorite bearing brilliant, large pink blossoms like crumpled silk. The blossoms of *Echinocactus horizonthalonius* arise from the very wool-matted crown. Pale blue-green with stout, red, curved spines. From western Texas. Sand and full sunlight. Large specimens, 4-5 inches, 75c. Flowering specimens, 2½-3½ inches.....

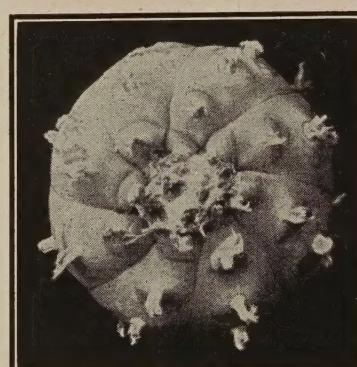
50c



DAM'S CHIN CACTUS

If you want the easiest flowered cactus try this one! *Gymnocalycium Damsii* flowers when tiny, the lovely large pink and white blossoms appearing throughout spring and summer. Reaches 3 inches in diameter. Flowering 3-year-old specimens, 50c. Smaller flowering sizes, 35c and.....

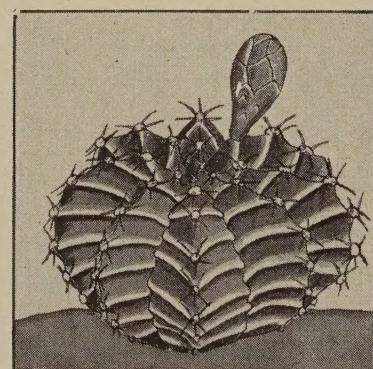
25c



SACRED MUSHROOM

Spineless, pale blue biscuits. *Lophophora Williamsii*, sometimes called Dry Whisky, is used by Indians in religious rituals. Mature flowering specimens.....

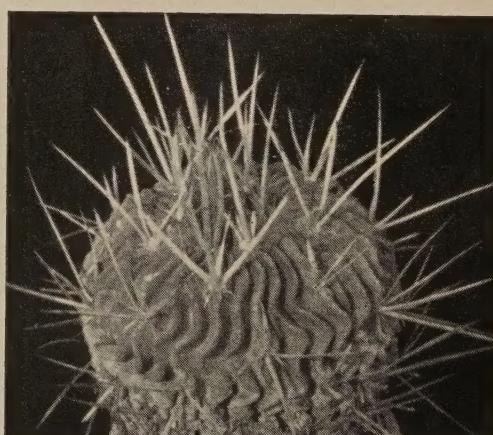
50c



PLAID CACTUS

One of the freest blooming, *Gymnocalycium Mihanovichii stenogonium* has chartreuse yellow blossoms. Splendid, 50c and.....

35c



BRAIN CACTUS

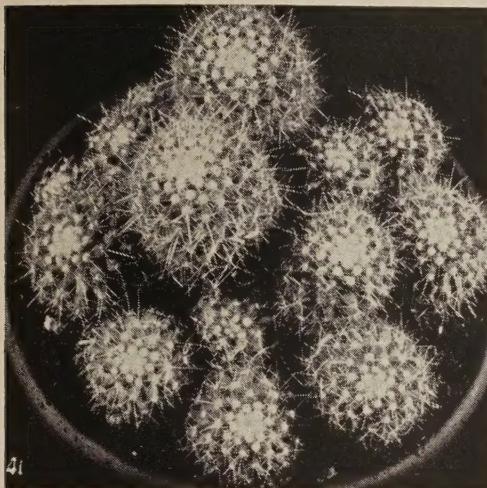
The *Stenocacti* are a very choice group for the window garden. They bear many ribs and flat or stiff papery spines. Young plants look like *Mammillarias*, but shortly develop ribs. Lovely flowers in pink or white often striped purple. Grow easily in a sunny window. 1 inch, each.....

35c

Mamíllarias

or Pincushion Cacti

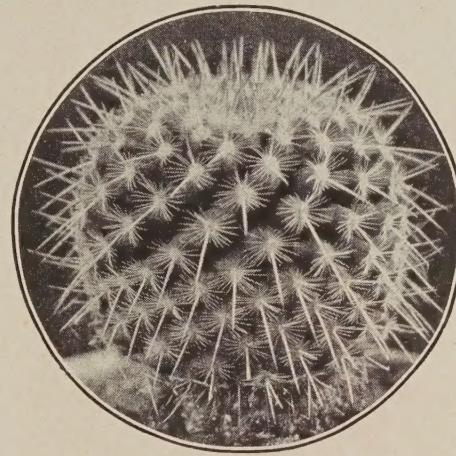
As an old Mamillaria fan perhaps I am prejudiced but I know of no other group of plants that gives one so much pleasure to grow and collect. There are endless varieties and new ones are continually turning up. They are fine for collectors with limited space, for you can grow mature specimens on the window ledge which will flower and fruit yearly. Some are lovely because of the intricate, almost geometrical pattern of their spines and nipples. Others for their bright colored spines in yellow, white, black and red. Some with long white hair or with feathered spines. Some are solitary, others form many headed clusters, others form mounds, the heads so closely compressed as to be hexagonal. Most are native to Mexico, though they are found south to Colombia. They grow from the salty sands of the beaches to the high mountains. Many hide in the scanty shade of the chaparral or cluster on the steep brush clad walls of desert barrancas. The flowers are often lovely in pink red, yellow or white, and some are to be found in bloom at every season. Often the seed pods are brilliant red. Their culture is very simple, liking a sandy loam with some leafmold and sand with a sprinkling of charcoal. Any well lighted window receiving sun is suitable.



RAINBOW PINCUSHION

A very variable plant, the spines may be red or yellow, but the flowers are always brilliant crimson, opening in fall or spring. A quick easy grower. *Mamillaria rhodantha* is at first solitary, later becoming clustered. A beautiful specimen plant. Handsome 3-year-old, each, 50c. Smaller, 1-1/2 inch.

35c



OWLS EYES

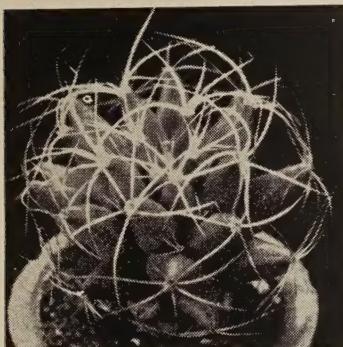
A well known plant to fanciers, *Mamillaria Parkinsonii* has snowy white spines and should be in every collection. It branches by forking. An old easily grown favorite. Bright handsome

25c

CACTUS AND SUCCULENT JOURNAL

A wonderful magazine of our hobby. Splendidly illustrated. Much cultural data. Per year.

\$3



BIRDS NEST

Feathery, curling yellow spines that are papery, soft and harmless. The plant is much given to clustering, young plants pushing out from the sides. Flowers pale yellow. *Mamillaria camptotricha* grows well in sun or shade. Give it a sandy soil and moderate waterings. 2 inch, 50c. Nice, 35c. Smaller.....

25c



GRAPE CACTUS

A dainty, tiny cactus bearing an endless number of "pups," each one of which will grow. *Mamillaria multiceps* grows in sun or shade. Clusters.....

25c



BUTTER PINCUSHION

Lovely large shining yellow blossoms. *Dolichothele sphaerica* bears long nipples which grow if planted! It forms nice clusters and blooms freely if well rested in a cool room. Nice plants,

35c and.....

25c



OLD LADY CACTUS

Mamillaria Hahniana

The plant has long white hair which places this superb species in a class by itself. The snow white hair increases in length and thickness with age. Winter flowering with bright red blossoms. A fine show specimen always attracting attention. Easy to grow, preferring sandy loam soil, moderate waterings and a light or sunny position. A mountain species, sometimes seen growing in the cornfields of the Mexicans. 2 1/2-inch flowering, 4 years old, 85c. 1-1/2 inch.

50c

MAMILLARIA ASSORTMENT

Collection S12

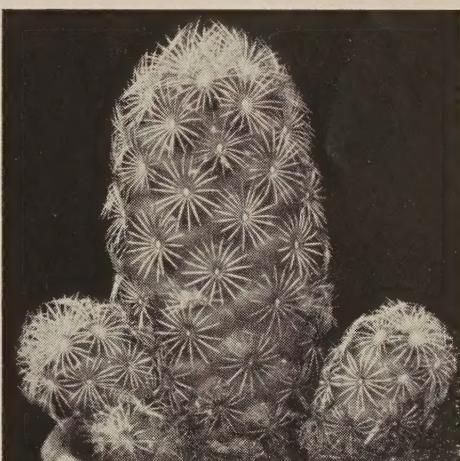
10 of the prettiest Mamillarias in small specimen sizes for a nice Dish Garden or for ornamental pots. Includes such beauties as *Powder Puff*, *Rainbow Pincushion*, *Owls Eyes*, *Vaupels Pincushion*, etc., correctly labelled. A colorful group. 35c and 50c sizes. Set of 10.

\$3

OUR CACTUS HAND BOOK

For full listings of our Mamillarias and other rare Cacti and Succulents get my new Diamond Jubilee Hand Book ready in late 1950. Price

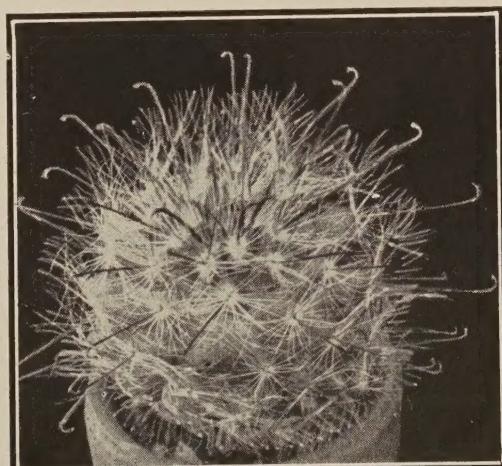
50c



GOLDEN STARS

The lovely, popular *Mamillaria elongata* should be in every collection. Each nipple tipped with a shining golden star. Easily grown. Branches freely. Specimens may reach 6 inches, with a hundred arms. Quite sandy soil, sun or partial shade. Branched, 35c. Single heads.....

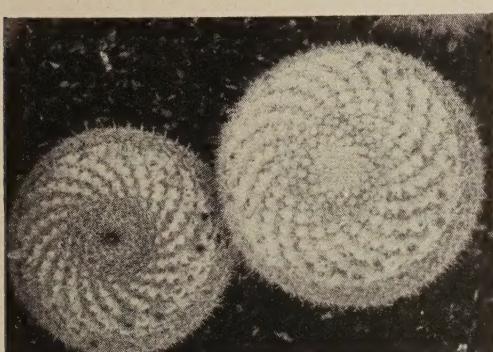
25c



COTTON CACTUS

The Cotton Cactus is covered with woolly white hair and each nipple bears one tiny hooked spine. *Mamillaria longicoma* grows rapidly and eventually forms a cluster. Flowers cream followed by long curving red berries. Moderate waterings and a light window. Larger flowering, 50c. Smaller flowering.....

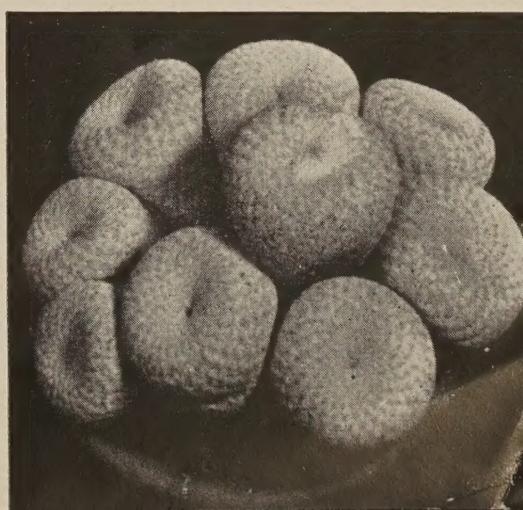
35c



DIADEM CACTUS

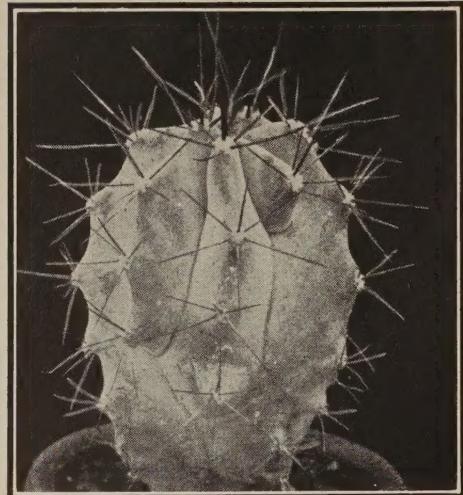
Don't fail to have this lovely winter flowering cactus. The bright red flowers are a beautiful crown nestling amongst the white hair and spines. The flower areoles of *Mamillaria Werdermanniana* are full of snow white wool. They flower in later winter and always attract the greatest attention among our visitors. Nice plants, 50c and.....

35c



**QUEEN OF THE NIGHT**

An old favorite with huge 12-inch blossoms, *Selenicereus Macdonaldiae* grows quickly and easily, liking partial shade, a light sandy soil with some leafmold and moderately generous waterings during the summer. The flowers are truly magnificent. Bloom best if put outside during summer. Plants 6-8 inches....

40c**POWDER BLUE CEREUS**

Colorful window plant. 35c and..... 25c

**BEAVER TAIL**

The loveliest of all California cacti. Glorious rose pink blossoms, the petals like crumpled silk. *Opuntia basilaris* likes a very sandy soil and a sunny location. The pads may be blue or coppery red and are not spined. Each....

35c**DEVIL'S FINGER**

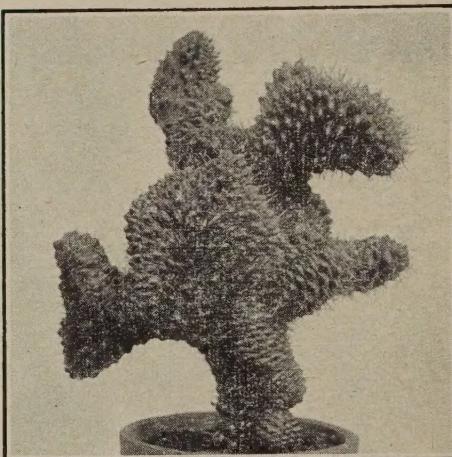
Echinocereus Berlandieri (2/3 Natural Size)

You will treasure this beautiful small plant, which blooms freely in April. Lovely 3-4 inch blossoms with lustrous petals enclosing yellow stamens and an emerald green stigma. Short finger-like stems. Soon form nice specimen clusters. Easy to grow in sandy soil, moderate watering. Larger clusters, blooming size, 50c. Smaller clusters, 35c. Single.....

25c**PEANUT CACTUS**

Chamaecereus Sylvestrii

Grows quickly, producing many arms. Splendid 35c and..... 25c

**CRESTED BOXING GLOVE**

A curious crested cactus assuming odd shapes. Collectors are always on the lookout for crested plants and *Opuntia mammillata cristata* is a good one. It is slow to propagate and we have only a limited number. 2-3 inch.....

35c

FOR CACTUS BOOKS turn to back of order blank.

**HARDY HEDGE HOG CEREUS**

These plants bear gaudy, bright rose-pink blossoms 2 inches to 2½ inches across. They flower freely several times during the summer. Plants conical, 2 inches to 4 inches tall. Grows easily in sandy soil. Moderate water. Large flowering, each.....

35c**WHITE CHIN CACTUS**

A rare and fine plant, dark green in color and bearing heavy spines. Charming pink and white blossoms in early summer. *Gymnocalycium Schickendantzii* grows readily in sandy soil with moderate watering. Large 3-inch, 40c

Small 1 inch..... \$1.00. Smaller 50c and.....

**LEMON BALL**

The very frosty blooming and easiest to grow, *Notocactus submammulosus* should be in every collection. Light soil with moderate waterings increased when growing. Flowers for weeks. Nice flowering sizes, 50c. Smaller, 35c. Small 1 inch.....

25c**GLORY OF TEXAS**

Gorgeous, crepe-like, brilliant pink blossoms over 2½ inches across. Blooms from spring to fall. Flowers for everybody. Light soil with moderate watering. *Thelocactus bicolor*, flowering sizes, 3 to 4 inches, each 50c. Flowering, 2-3 inches.....

35c

SELECT COLLECTION No. S15. One Each of Illustrated Cacti. Four Plants.

\$1.15